

**Minutes of the  
Virtual Meeting of the IFToMM TC for Tribology (TC-Trib)  
Tuesday, May 10<sup>th</sup> at 14.00 (2pm) Italian time (UTC+2 )**

**Attendance list and apologies**

Mihai ARGHIR  
Jose Daniel BIASOLI DE MELLO  
Steven CHATTERTON  
Enrico CIULLI (Chairperson, C)  
Federico COLOMBO  
Henara COSTA  
Alexander FIDLIN  
Andrei GRIGORIEV  
Dae-Eun KIM  
Wang-Long LI

Jianbin LUO  
Nikolai MYSHKIN (Deputy Chairperson, DC)  
Vincenzo NIOLA  
Linmao QIAN  
Terenziano RAPARELLI  
Alessandro RUGGIERO  
Satish C. SHARMA  
Andrea TRIVELLA  
Noritsugu UMEHARA

Hong LIANG connected at the end of the meeting.  
Apologies were received from Adrian RIENÄCKER.

**Agenda**

- 1) Conferences, Symposia and Workshops
- 2) Affiliation of Tribology Journals
- 3) Members situation and annual report
- 4) Any other business

**1) Conferences, Symposia, Workshops, Webinars**

All activities have been **virtual** in **2021** because of the pandemic situation.  
Four one hour Webinars have been organized:

Snake skin Tribology: Mechanism of Friction and Wear Reduction  
Prof. Stanislav Gorb, June 25<sup>th</sup>

Gas lubricated bearings for turbomachinery applications  
Prof. Jürg Schiffmann, July 27<sup>th</sup>

New Materials and Designs for More Efficient Hydrodynamic Sliding Bearings  
Prof. Michel Fillon, September 16<sup>th</sup>

Bearing geometry optimisation  
Prof. Andreas Almqvist, November 15<sup>th</sup>

Particular thanks to the organizers Giuseppe Carbone, Federico Colombo, Alessandro Ruggiero and Andrea Trivella.

**Year 2022**

There are some Conferences scheduled **in presence** in 2022 that will involve members of TC-Trib, in particular:

The 7<sup>th</sup> WTC in Lyon, France, July 10-15

The 4<sup>th</sup> IFToMM ITALY Conference, Napoli, Italy, September 7-9

There are difficulties for planning a meeting of TC-Trib in presence because of the critical situation around the world.

Therefore, an official meeting during the WTC in Lyon is not planned.

For the moment there are no proposals for the organization of webinars this year. However, proposals can be sent to C by the potential organizers during next months.

## Year **2023**

Conferences of interest for TC-Trib members:

The 8<sup>th</sup> ECOTRIB in Italy, probably in June (TBD)

The 2<sup>nd</sup> IFToMM for Sustainable Development Goals (TBD)

The 16<sup>th</sup> IFToMM World Congress in Tokyo, Japan, November 5-10.

Proposals have to be made according to the request letter of Prof. Nobuyuki Iwatsuki and Kenjiro Takemura, General Co-Chairs of the Congress. In particular they asked to all IFToMM Technical Committees, Permanent Commissions, Cross Disciplinary Groups, and to the Executive Council to:

- propose Congress Topics by December 1<sup>st</sup>, 2022 at the latest (there is a Google form to be filled in)
- propose half-day tutorials for the first day of the Congress, Sunday, November 5<sup>th</sup>, by December 1<sup>st</sup>, 2022 at the latest (there is a Google form to be filled in); proposed lecturers must be part of the proposal
- propose a keynote speaker candidate by December 1<sup>st</sup>, 2022 at the latest (there is a Google form to be filled in)

TC-Trib members have to start to think about the proposals in the field of Tribology. The proposals of TC-Trib will be collected and discussed after Summer (in September or October).

## Year **2024**

During the last meeting it was decided to plan the 5<sup>th</sup> IFToMM International Tribology Symposium in 2024 being members of TC-Trib heavily involved in the activities of the IFToMM World Congress in Japan in 2023.

Previous editions of the IFToMM International Tribology Symposium were held in Beijing (China, 2008), Rio de Janeiro (Brazil, 2010), Luleå (Sweden, 2013) and Jeju (Korea, 2017).

It could be also evaluated the possibility to organize the 5<sup>th</sup> edition jointly with another conference planned in 2024.

## **2) Affiliation of Tribology Journals**

Journals preliminarily proposed during previous meetings of TC-Trib, with also positive answers obtained from the editors, were:

- MDPI Lubricants
- Friction
- IMechE Journal of Tribology
- Frontiers in Mechanical Engineering - section Tribology

A preliminary suggestion of TC-Trib was to propose two very high level journals, one traditional and one open access. However, we decided to wait for further indications by the Advisory Board that was not yet established.

Actually at the moment the new procedures for assigning IFToMM affiliations to journals has not been established yet. The President of IFToMM, Prof. Andres Kecskemethy, informed C in April that the process for decision on affiliation and tier assignment was not yet finished. The decisions of the Executive Council should be taken during the next EC meeting. Most probably the decision on applications for IFToMM affiliations should be expected by the end of each year.

The present situation, shown in the new website, with the subdivision in 4 tiers is reported below:

Tier 1: Official IFToMM recommended journal for publishing top and original results in all fields covered by IFToMM

Mechanism and Machine Theory

Tier 2: Complementary Journals, Proceedings and Book Series covering specific fields of IFToMM for publishing up-to-date results from IFToMM working groups

Open-Access Mechanical Sciences

Advances in Vibration Engineering

Chinese Journal of Mechanical Engineering

Tier 3: Community Journals, Proceedings and Books accompanying conferences, symposia, and regional research

MDPI journal Machines

MDPI journal Robotics

Tier 4: Preprint papers & Books of Abstract

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Our proposals should be most probably related to Tier 2 and/or 3, described as:

- Complementary journals, proceedings, and book series, covering high-quality contributions for specific fields or for greater geographical subregions of IFToMM. Cooperation with IFToMM is high, with most decisions on editorial matters and high-quality standards done in close and amicable exchange between IFToMM and the publisher respectively the Editor-in-Chief. These publication media are regarded as complementary channels to Tier 1 to move forward publications not fitting Tier 1
- Tier 2
- Community journals, conference proceedings and books on regional or sub-topical research with independent publisher policies, which are to some degree coordinated with IFToMM. Publication media in this tier are meant to cover high-dynamic as well as fast and flexible publication interests of IFToMM members and beyond. These media not underly such a strict evaluation procedure by IFToMM as Tier 2. IFToMM welcomes activities in this Tier and leaves it up to IFToMM scientists to decide whether to publish in this tier or on the principal publication channels of IFToMM.
- Tier 3

In order to be ready when the new rules and the Advisory Board will be established, possible requests of TC-Trib are discussed.

There is the problem that now some open access journals as MDPI Lubricants and Frontiers in Mechanical Engineering request to pay quite high publishing fees.

Publication in traditional journals is free, but they charge in case of open access.

Friction is still a free open access journal (Springer). Another open access free journal is the Journal of Friction and Wear (Springer).

For the moment Friction and IMechJ Journal of Tribology could be the first proposal.

Some agreements could be made with the other open access journals to obtain reduced fees or even free publication for IFToMM members. This possibility could be investigated when the new IFToMM rules will be available.

### **3) Members situation and annual report**

There are no requests for possible new members.

New rules are under way for the annual report. Most probably the report will be asked by the end of the year.

#### **4) Any other business**

The Korean Tribology Society will be organizing the K-TRIB2023 (3rd Korea-Tribology International Symposium) in Busan, Korea, in May 21-24, 2023. The Call for Papers will be distributed soon.

The meeting closes at 15.10

*Enrico Ciulli*